

GenCore version 5.1.3  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: January 18, 2003, 16:33:47 ; Search time 52 seconds  
(without alignments)

100.260 Million cell updates/sec

Title: US-09-873-106b-9

Perfect score: 52  
Sequence: 1 GPPXXXXXXXXXXGTF 17

Scoring table:

BLOSUM62  
Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 624062

Minimum DB seq length: 0  
Maximum DB seq length: 55

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:  
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-O=/cgn2\_1/USPTO\_POOL/US09873106/runat\_15012003\_100215\_11196/app\_query.fasta\_1.199  
-DB=Issued Patents NA -QFMT=fastap -SUFFIX=closed.rml -MINMATCH=0.1 -LOOPCL=0  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi  
-LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15  
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HSPSIZE=500 -MINLEN=0 -MAXLEN=55  
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-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:\*

1: /cgn2\_6/prodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/prodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCUTUS.COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	50.0	27	1	US-08-096-277-8
2	26	50.0	27	2	US-08-550-815-8
3	26	50.0	27	3	US-08-703-089-8
4	25	48.1	47	4	US-08-916-576B-32
5	25	48.1	47	4	US-08-916-576B-32
6	25	48.1	47	4	US-08-916-576B-32
7	25	48.1	47	4	US-08-916-576B-32
8	25	48.1	47	4	US-08-916-576B-32
9	25	48.1	47	4	US-08-916-576B-32
10	25	48.1	47	4	US-08-916-576B-32
11	25	48.1	47	4	US-08-916-576B-32
12	25	48.1	47	4	US-08-916-576B-32

13	23	44.2	49	1	US-08-429-181-34	Sequence 34, Appl
14	23	44.2	49	1	US-08-164-388-34	Sequence 34, Appl
15	22	42.3	22	1	US-07-977-284A-87	Sequence 87, Appl
16	22	42.3	22	1	US-08-256-426B-87	Sequence 87, Appl
17	22	42.3	22	1	US-08-435-350-91	Sequence 91, Appl
18	22	42.3	34	2	US-08-956-047-12	Sequence 12, Appl
19	22	42.3	34	2	US-08-874-678-35	Sequence 35, Appl
20	22	42.3	34	4	US-08-643-839-35	Sequence 35, Appl
21	22	42.3	34	4	US-09-348-886-35	Sequence 35, Appl
22	22	42.3	34	4	US-09-147-805-2	Sequence 2, Appl
23	22	42.3	35	2	US-08-874-678-46	Sequence 46, Appl
24	22	42.3	35	3	US-08-643-839-46	Sequence 46, Appl
25	22	42.3	39	5	US-09-348-886-46	Sequence 46, Appl
26	22	42.3	39	5	PCT-US91-02942-60	Sequence 60, Appl
27	22	42.3	40	1	US-09-051-363-10	Sequence 10, Appl
28	22	42.3	42	1	US-07-834-539A-14	Sequence 14, Appl
29	22	42.3	42	1	US-08-053-131-22	Sequence 22, Appl
30	22	42.3	42	1	US-08-645-641-22	Sequence 22, Appl
31	22	42.3	42	1	US-07-853-408B-22	Sequence 22, Appl
32	22	42.3	42	1	US-08-086-762-22	Sequence 22, Appl
33	22	42.3	42	1	US-08-800-353-14	Sequence 14, Appl
34	22	42.3	42	2	US-08-308-865-22	Sequence 22, Appl
35	22	42.3	42	4	US-09-042-353-190	Sequence 190, Appl
36	22	42.3	42	4	US-08-758-417A-38	Sequence 38, Appl
37	22	42.3	42	5	PCT-US92-06185-14	Sequence 14, Appl
38	22	42.3	42	5	PCT-US92-10983-22	Sequence 22, Appl
39	22	42.3	47	3	US-08-589-939-65	Sequence 65, Appl
40	22	42.3	50	3	US-08-603-024-8	Sequence 8, Appl
41	22	42.3	51	3	US-08-722-240-20	Sequence 20, Appl
42	21	40.4	20	2	US-08-837-201C-53	Sequence 53, Appl
43	21	40.4	20	3	US-08-471-546-9	Sequence 9, Appl
44	21	40.4	20	3	US-08-471-586-14	Sequence 14, Appl
45	21	40.4	20	4	US-09-318-191-1	Sequence 1, Appl

RESULTS

1 US-08-096-277-8/c  
; Sequence 8, Application US/08096277  
; Patent No. 5578482  
; GENERAL INFORMATION:  
; APPLICANT: Lipman, Marc E  
; TITLE OF INVENTION: Ligand Growth Factors that Bind to the  
; TITLE OF INVENTION: ebb-2 Receptor Protein and Induce Cellular Response  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/096,277  
; FILING DATE: 26-JUL-1993  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/875,788  
; FILING DATE: 29-APR-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/640,497  
; FILING DATE: 14-JAN-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/917,988  
; FILING DATE: 24-JUL-1992  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/872,114  
FILING DATE: 22-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/528,438  
FILING DATE: 25-MAY-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Hoschelt, Dale H  
REGISTRATION NUMBER: 19,090  
REFERENCE/DOCKET NUMBER: 02899,43360  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: both  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
US-08-096-277-8

Alignment Scores:  
Pred. No.: 62.3 Length: 27  
Score: 26.00 Matches: 4  
Percent Similarity: 57.14% Conservative: 0  
Best Local Similarity: 57.14% Mismatches: 3  
Query Match: 50.00% Indels: 0  
DB: 1 Gaps: 0

US-09-873-106b-9 (1-17) x US-08-096-277-8 (1-27)

Oy 11 Trp\*\*\*\*\*GlyThrPhe 17  
||| |||||  
Db 21 TGACCTTCATGCGCACATTC 1

RESULT 2  
US-08-550-815-8/C

Sequence 8, Application US/08550815  
Patent No. 5869618  
GENERAL INFORMATION:  
APPLICANT: Lippman, Marc E  
APPLICANT: Lupu, Ruth  
TITLE OF INVENTION: Ligand Growth Factors that Bind to the  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie & Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/550,815  
FILING DATE: 31-OCT-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/096,277  
FILING DATE: 26-JUL-1993  
APPLICATION NUMBER: US 07/875,788  
FILING DATE: 29-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/640,497  
FILING DATE: 14-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/917,988  
FILING DATE: 24-JUL-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/872,114  
FILING DATE: 22-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/528,438  
FILING DATE: 25-MAY-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Hoschelt, Dale H  
REGISTRATION NUMBER: 19,090  
REFERENCE/DOCKET NUMBER: 02899,43360  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: both  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
US-08-550-815-8

Alignment Scores:  
Pred. No.: 62.3 Length: 27  
Score: 26.00 Matches: 4  
Percent Similarity: 57.14% Conservative: 0  
Best Local Similarity: 57.14% Mismatches: 3  
Query Match: 50.00% Indels: 0  
DB: 2 Gaps: 0

US-09-873-106b-9 (1-17) x US-08-550-815-8 (1-27)

Oy 11 Trp\*\*\*\*\*GlyThrPhe 17  
||| |||||  
Db 21 TGACCTTCATGCGCACATTC 1

RESULT 3

US-08-703-089-8/C

Sequence 8, Application US/08703089  
Patent No. 6040290  
GENERAL INFORMATION:  
APPLICANT: Lippman, Marc E  
APPLICANT: Lupu, Ruth  
TITLE OF INVENTION: Ligand Growth Factors that Bind to the  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie & Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/703,089  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/096,277  
FILING DATE: 26-JUL-1993  
APPLICATION NUMBER: US 07/875,788  
FILING DATE: 29-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/640,497  
FILING DATE: 14-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/917,988

FILED DATE: 24-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/872,114  
FILING DATE: 22-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/528,438  
FILING DATE: 25-MAY-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Hoschelt, Dale H  
REGISTRATION NUMBER: 19,090  
REFERENCE/DOCKET NUMBER: 02899,43360  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BABW UT  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: both  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
US-08-703-089-8  
  
Alignment Scores:  
Pred. No.: 62.3 Length: 27  
Score: 26.00 Matches: 4  
Percent Similarity: 57.14% Conservative: 0  
Best Local Similarity: 57.14% Mismatches: 3  
Query Match: 50.00% Indels: 0  
Gaps: 0  
Db: 3  
  
US-09-873-106b-9 (1-17) x US-08-703-089-8 (1-27)  
Qy 11 Trp\*\*\*\*\*GlyThrPhe 17  
||| |||||  
Db 21 TGGACTTCATCGGCACATTC 1  
  
RESULT 4  
US-08-916-576b-32  
Sequence 32, Application US/08916576B  
Patent No. 6171816  
GENERAL INFORMATION:  
APPLICANT: YU, GUO-LIANG  
APPLICANT: DILLON, PATRICK J.  
APPLICANT: EBNER, REINHARD  
APPLICANT: EMBRESS, GREGORY A.  
TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERNER, KESSLER, GOLDSTEIN & FOX, P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: US  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/916,576B  
FILING DATE:  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/024,347  
FILING DATE: 23-AUG-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: SIEPPE, ERIC K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488,0500001  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2540  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 45 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-08-916-576b-32  
  
Alignment Scores:  
Pred. No.: 168 Length: 45  
Score: 25.00 Matches: 4  
Percent Similarity: 57.14% Conservative: 0  
Best Local Similarity: 57.14% Mismatches: 3  
Query Match: 48.08% Indels: 0  
Gaps: 0  
Db: 4  
  
US-09-873-106b-9 (1-17) x US-08-916-576b-32 (1-45)  
Qy 11 Trp\*\*\*\*\*GlyThrPhe 17  
||| |||||  
Db 4 TGGTACCGAAGGGCACATTC 24  
  
RESULT 5  
US-09-045-284A-8  
Sequence 8, Application US/09045284A  
Patent No. 6265192  
GENERAL INFORMATION:  
APPLICANT: Bistrup, Annette  
APPLICANT: Rosen, Steven D.  
APPLICANT: Hemmerlich, Stefan  
TITLE OF INVENTION: GLYCOSYL SULFOTRANSFERASE-3  
FILE REFERENCE: 6510-107US1  
CURRENT APPLICATION NUMBER: US/09/045,284A  
CURRENT FILING DATE: 1998-03-20  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 8  
LENGTH: 47  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-045-284A-8  
  
Alignment Scores:  
Pred. No.: 175 Length: 47  
Score: 25.00 Matches: 4  
Percent Similarity: 57.14% Conservative: 0  
Best Local Similarity: 57.14% Mismatches: 3  
Query Match: 48.08% Indels: 0  
Gaps: 0  
Db: 4  
  
US-09-873-106b-9 (1-17) x US-09-045-284A-8 (1-47)  
Qy 11 Trp\*\*\*\*\*GlyThrPhe 17  
||| |||||  
Db 11 TGGATTGTCAGGACATTC 31  
  
RESULT 6  
US-09-190-911-8  
Sequence 8, Application US/09190911  
Patent No. 6365365  
GENERAL INFORMATION:  
APPLICANT: Bistrup, Annette  
APPLICANT: Rosen, Steven D.  
APPLICANT: Tangemann, Kirsten  
APPLICANT: Hemmerlich, Stefan  
TITLE OF INVENTION: GLYCOSYL SULFOTRANSFERASE-3  
FILE REFERENCE: 6510-107CJP  
CURRENT APPLICATION NUMBER: US/09/190,911  
CURRENT FILING DATE: 1998-11-12  
EARLIER APPLICATION NUMBER: 09/045,284

EARLIER FILING DATE: 1998-03-20  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 8  
LENGTH: 47  
TYPE: DNA  
ORGANISM: H. saplens  
US-09-190-911-8

## Alignment Scores:

Pred. No.:	175	Length:	47
Score:	25.00	Matches:	4
Percent Similarity:	57.14%	Conservative:	0
Best Local Similarity:	57.14%	Mismatches:	3
Query Match:	48.08%	Indels:	0
DB:	4	Gaps:	0

US-09-873-106B-9 (1-17) x US-09-190-911-8 (1-47)

OY 11 TTP\*\*\*\*\*GlyThrPhe 17  
|||  
DB 11 TGGATTGTCAGGACATTC 31

## RESULT 7

US-09-367-206-11  
Sequence 11, Application US/09367206  
Patent No. 6326482  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
TITLE OF INVENTION: NSP Molecules  
FILE REFERENCE: P1223R1E  
CURRENT APPLICATION NUMBER: US/09/367,206  
CURRENT FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/08847  
PRIOR FILING DATE: 1999-04-23  
PRIOR APPLICATION NUMBER: US 60/082,767  
PRIOR FILING DATE: 1998-04-23  
PRIOR APPLICATION NUMBER: US 60/113,296  
PRIOR FILING DATE: 1998-12-22  
NUMBER OF SEQ ID NOS: 35  
SEQ ID NO 11  
LENGTH: 50  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Oligonucleotide Probe  
US-09-367-206-11

## Alignment Scores:

Pred. No.:	314	Length:	50
Score:	24.00	Matches:	4
Percent Similarity:	57.14%	Conservative:	0
Best Local Similarity:	57.14%	Mismatches:	3
Query Match:	46.15%	Indels:	0
DB:	4	Gaps:	0

US-09-873-106B-9 (1-17) x US-09-367-206-11 (1-50)

OY 11 TTP\*\*\*\*\*GlyThrPhe 17  
|||  
DB 12 TGGACATGCTGACACCTT 32

## RESULT 8

US-09-342-681C-82  
Sequence 82, Application US/09342681C  
Patent No. 6355782  
GENERAL INFORMATION:  
APPLICANT: Zonana et al.  
TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins  
FILE REFERENCE: 52978  
CURRENT APPLICATION NUMBER: US/09/342,681C  
CURRENT FILING DATE: 1999-06-29  
PRIOR APPLICATION NUMBER: 60/092,279

PRIOR FILING DATE: 1998-07-09  
PRIOR APPLICATION NUMBER: 60/112,366  
PRIOR FILING DATE: 1998-12-15  
NUMBER OF SEQ ID NOS: 123  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 82  
LENGTH: 21  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:  
OTHER INFORMATION: Oligonucleotide primer that can be used for  
US-09-342-681C-82

## Alignment Scores:

Pred. No.:	242	Length:	21
Score:	23.00	Matches:	3
Percent Similarity:	57.14%	Conservative:	1
Best Local Similarity:	42.86%	Mismatches:	3
Query Match:	44.23%	Indels:	0
DB:	4	Gaps:	0

US-09-873-106B-9 (1-17) x US-09-342-681C-82 (1-21)

OY 11 TTP\*\*\*\*\*GlyThrPhe 17  
|||  
DB 1 TGGAGCTTCTCTGATCATTT 21

## RESULT 9

US-07-929-206-1  
Sequence 1, Application US/07929206  
Patent No. 563131  
GENERAL INFORMATION:  
APPLICANT: Heym, Beale  
APPLICANT: Cole, Stewart T.  
APPLICANT: Zhang, Ying  
APPLICANT: Young, Douglas B.  
TITLE OF INVENTION: Rapid detection of Isoniazid Resistance  
TITLE OF INVENTION: in Mycobacterium Tuberculosis  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
ADDRESSEE: Dunner  
STREET: 1300 I Street, N.W.  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005-3315  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/929,206  
FILING DATE: 14-AUG-1992  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/875,940  
FILING DATE: 30-APR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Flynn, Kelly A.  
REGISTRATION NUMBER: 33,693  
REFERENCE/DOCKET NUMBER: 03495, 0110-01000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-408-4000  
TELEFAX: 202-408-4400  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

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;      TOPOLOGY: linear
;      MOLECULE TYPE: DNA (genomic)
US-07-929-206-1

Alignment Scores:
Pred. No.:          425          Length:          39
Score:              23.00        Matches:          3
Percent Similarity: 57.14%      Conservative: 1
Best Local Similarity: 42.86%   Mismatches:     3
Query Match:        44.23%      Indels:         0
DB:                  1          Gaps:         0

US-09-873-106b-9 (1-17) x US-07-929-206-1 (1-39)
OY      11 TRP*****GlyThrPhe 17
        |||
        |||||:::
Db      16 TGGCAGCGCGCGGCACCTAC 36

RESULT 10
US-08-313-185-1
; Sequence 1, Application US/08313185
; Patent No. 5851763
; GENERAL INFORMATION:
; APPLICANT: Heym, Beate
; APPLICANT: Cole, Stewart
; APPLICANT: Young, Douglas
; APPLICANT: Zhang, Ying
; APPLICANT: Honore, Nadine
; APPLICANT: Teleni, Amelio
; APPLICANT: Bodmer, Thomas
; TITLE OF INVENTION: Rapid Detection of Antibiotic Resistance
; TITLE OF INVENTION: In Mycobacterium Tuberculosis
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,185
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; TELEPHONE: 202-408-4400
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4400
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-313-185-1

Alignment Scores:
Pred. No.:          425          Length:          39
Score:              23.00        Matches:          3
Percent Similarity: 57.14%      Conservative: 1
Best Local Similarity: 42.86%   Mismatches:     3
Query Match:        44.23%      Indels:         0
DB:                  2          Gaps:         0

US-09-873-106b-9 (1-17) x US-08-313-185-1 (1-39)
OY      11 TRP*****GlyThrPhe 17
        |||
        |||||:::
Db      16 TGGCAGCGCGCGGCACCTAC 36

RESULT 11
US-08-459-499-1
; Sequence 1, Application US/08459499
; Patent No. 5871912
; GENERAL INFORMATION:
; APPLICANT: Heym, Beate
; APPLICANT: Cole, Stewart T.
; APPLICANT: Young, Douglas B.
; APPLICANT: Zhang, Ying
; TITLE OF INVENTION: Nucleic Acid Probes, Sequences, and Methods
; TITLE OF INVENTION: for Detecting Mycobacterium Tuberculosis Resistant to Ison
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,499
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/875,940
; FILING DATE: 30-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/929,206
; FILING DATE: 27-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/029,655
; FILING DATE: 11-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; TELEPHONE: 202-408-4400
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-459-499-1

Alignment Scores:
Pred. No.:          425          Length:          39
Score:              23.00        Matches:          3
Percent Similarity: 57.14%      Conservative: 1
Best Local Similarity: 42.86%   Mismatches:     3
Query Match:        44.23%      Indels:         0
DB:                  2          Gaps:         0

US-09-873-106b-9 (1-17) x US-08-459-499-1 (1-39)
OY      11 TRP*****GlyThrPhe 17
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Db      16  TGGCAGCGCGCGCAGCCTAC 36
|||
RESULT 12
US-09-082-614A-1
; Sequence 1, Application US/09082614A
; Patent No. 6124098
; GENERAL INFORMATION:
; APPLICANT: Heym, Beate
; APPLICANT: Cole, Stewart
; APPLICANT: Young, Douglas
; APPLICANT: Zhang, Ying
; APPLICANT: Honore, Nadine
; APPLICANT: Telenti, Amalio
; APPLICANT: Bodmer, Thomas
; TITLE OF INVENTION: Rapid Detection of Antibiotic Resistance
; TITLE OF INVENTION: In Mycobacterium Tuberculosis
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flinnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,614A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/313,185
; FILING DATE: 12-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 02356, 0068-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-082-614A-1

Alignment Scores:
Pred. No.: 425 Length: 39
Score: 23.00 Matches: 3
Percent Similarity: 57.14% Conservative: 1
Best Local Similarity: 42.86% Mismatches: 3
Query Match: 44.23% Indels: 0
DB: 3 Gaps: 0

US-09-873-1068-9 (1-17) x US-09-082-614A-1 (1-39)
Qy      11  TTP*****GlyThrPhe 17
|||
Db      16  TGGCAGCGCGCGCAGCCTAC 36
|||
RESULT 13
US-08-429-181-34
; Sequence 34, Application US/08429181
; Patent No. 5635352
; GENERAL INFORMATION:
; APPLICANT: URDEA, MICHAEL S.
; APPLICANT: FULTZ, TIMOTHY
; APPLICANT: WARNER, BRIAN D.
; APPLICANT: COLLINS, MARK
; TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH
; TITLE OF INVENTION: ASSAYS HAVING REDUCED BACKGROUND NOISE
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
; STREET: 4560 HORTON STREET
; CITY: EMERYVILLE
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,181
; FILING DATE: 26-Apr-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/164,388
; FILING DATE: 08-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDMAN, KENNETH M.
; REGISTRATION NUMBER: 34,174
; REFERENCE/DOCKET NUMBER: 0300, 001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2719
; TELEFAX: (510) 653-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-429-181-34

Alignment Scores:
Pred. No.: 523 Length: 49
Score: 23.00 Matches: 4
Percent Similarity: 71.43% Conservative: 1
Best Local Similarity: 57.14% Mismatches: 2
Query Match: 44.23% Indels: 0
DB: 1 Gaps: 0

US-09-873-1068-9 (1-17) x US-08-429-181-34 (1-49)
Qy      11  TTP*****GlyThrPhe 17
|||
Db      19  TGGCGCGCGGTGGTACTAC 39
|||
RESULT 14
US-08-164-388-34
; Sequence 34, Application US/08164388
; Patent No. 5681697
; GENERAL INFORMATION:
; APPLICANT: URDEA, MICHAEL S.
; APPLICANT: FULTZ, TIMOTHY
; APPLICANT: WARNER, BRIAN D.
; APPLICANT: COLLINS, MARK
; TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH
; TITLE OF INVENTION: ASSAYS HAVING REDUCED BACKGROUND NOISE
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
; STREET: 4560 HORTON STREET
; CITY: EMERYVILLE
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,181
; FILING DATE: 26-Apr-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/164,388
; FILING DATE: 08-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDMAN, KENNETH M.
; REGISTRATION NUMBER: 34,174
; REFERENCE/DOCKET NUMBER: 0300, 001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2719
; TELEFAX: (510) 653-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-429-181-34

Alignment Scores:
Pred. No.: 523 Length: 49
Score: 23.00 Matches: 4
Percent Similarity: 71.43% Conservative: 1
Best Local Similarity: 57.14% Mismatches: 2
Query Match: 44.23% Indels: 0
DB: 1 Gaps: 0
```

```

1, STREET : 4560 HORTON STREET
2, CITY : EMERYVILLE
3, STATE: CALIFORNIA
4, COUNTRY: USA
5, ZIP: 94608-2916
6, COMPUTER READABLE FORM:
7, MEDIUM TYPE: Floppy disk
8, COMPUTER: IBM PC compatible
9, OPERATING SYSTEM: PC-DOS/MS-DOS
10, SOFTWARE: Patentin Release #1.0, Version #1.30B
11, CURRENT APPLICATION DATA:
12, APPLICATION NUMBER: US/08/164,388
13, FILING DATE: 08-DEC-1993
14, CLASSIFICATION: 436
15, ATTORNEY/AGENT INFORMATION:
16, NAME: GOLDMAN, KENNETH M.
17, REGISTRATION NUMBER: 34,174
18, REFERENCE/DOCKET NUMBER: 0300,001
19, TELECOMMUNICATION INFORMATION:
20, TELEPHONE: (510) 601-2719
21, TELEFAX: (510) 655-3542
22, TELEX: N/A
23, INFORMATION FOR SEQ ID NO: 34:
24, SEQUENCE CHARACTERISTICS:
25, LENGTH: 49 base pairs
26, TYPE: nucleic acid
27, STRANDEDNESS: single
28, TOPOLOGY: linear
29, MOLECULE TYPE: DNA (genomic)
30, US-08-164-388-34
31, Alignment Scores:
32, Pred. No.: 523 Length: 49
33, Score: 23.00 Matches: 4
34, Percent Similarity: 71.43% Conservative: 1
35, Best Local Similarity: 57.14% Mismatches: 2
36, Query Match: 44.23% Indels: 0
37, DB: 1 Gaps: 0
38,
39, US-09-873-106B-9 (1-17) x US-08-164-388-34 (1-49)
40, QY 11 Trp*****GIYThrPhe 17
41, ||| ||| |||||:::
42, Db 19 TGGGCGRCGCTGTACTACTAC 39
43,
44, RESULT 15
45, US-07-977-284A-87
46, Sequence 87, Application US/97/7284A
47, Patent No. 5558988
48, GENERAL INFORMATION:
49, APPLICANT: Prockop, Darwin J.
50, APPLICANT: Ala-Kokko, Leena
51, APPLICANT: Williams, Charlene J.
52, APPLICANT: Rivaanemi, Pertti
53, APPLICANT: Baldwin, Clinton
54, APPLICANT: Hopkinson, Ian
55, APPLICANT: Ahmad, Nilofer Nihna
56, TITLE OF INVENTION: METHODS OF DETECTING A GENETIC
57, TITLE OF INVENTION: PREDISPOSITION FOR OSTEOARTHRITIS
58, NUMBER OF SEQUENCES: 261
59, CORRESPONDENCE ADDRESS:
60, ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988T1S1
61, STREET: One Liberty Place, 46th floor
62, CITY: Philadelphia
63, STATE: PA
64, COUNTRY: USA
65, ZIP: 19103
66, COMPUTER READABLE FORM:
67, MEDIUM TYPE: Floppy disk
68, COMPUTER: IBM PC compatible
69, OPERATING SYSTEM: PC-DOS/MS-DOS
70, SOFTWARE: WordPerfect 5.1
71, CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/07/977,284A
FILING DATE: 13-NOV-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-0697
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LENGTH: 22
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
ANTI-SENSE: NO
US-07-977-284A-87

Alignment Scores:
Pred. No.: 428
Score: 22.00
Percent Similarity: 50.00%
Best Local Similarity: 50.00%
Query Match: 42.31%
DB: 1

US-09-873-106B-9 (1-17) x US-07-977-284A-87 (1-22)
QY 11 TTP*****G1Yrhr 16
||| |||||
Db 2 TGGACAGCAGCAGCAGCT 19

Search completed: January 18, 2003, 18:57:10
Job time : 54 secs

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